TM-4200CL/TMC-4200CL

Progressive Scan CCD



- 1.2" progressive scan IT CCD (Kodak KAI-4021)
- 2048 x 2048 resolution @ 15 fps dual-tap
- 7.4 μm square pixels
- Software-selectable single-tap mode available @ 8 fps
- 12-bit A/D (linear) or 8-bit/10-bit with look-up table (LUT)
- Digital Camera Link output and analog output
- Image center partial scan (1000, 500, 250 lines)
- 2X2 binning and user-programmable variable partial scan
- Full-frame shutter to 1/16,000 sec.
- Asynchronous reset, no-delay, pulse width control shutter
- Defective pixel compensation
- PIV (particle imaging velocimetry) mode
- Automatic channel balancing
- Monochrome or color





A user-friendly GUI (graphical user interface) is provided. This interface allows users to control the following functions of the TM-4200CL camera:

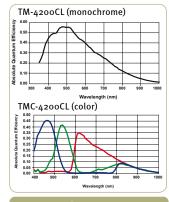
- Shutter control for manual async. and pulse-width control
- Gain control
- Offset control
- Save settings
- Load settings
- Report settings
- LUT setting and graphic display
- Scanning mode selection and option selections
- Channel auto balancing

Camera parameters can be uploaded

from the PC to the camera. Once these parameters are stored in EEPROMs, an instantaneous change from one setting to another can be done with a delay of few frames in between.

Fight Free

Software available for download at www.jai.com



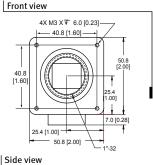
Connector Pin-out

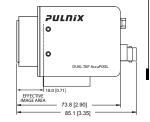


12-Pin Connector

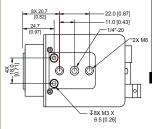
1	GND (power)	7	VD in
2	+12V	8	Strobe out
3	GND (analog)	9	HD in
4	Video out	10	NC
5	GND (digital)	11	Reserved
6	VINIT in	12	NC

	Manual	Async	
0	no shutter	no shutter	
1	1/60	1/16,000	
2	1/125	1/8,000	
3	1/250	1/4,000	
4	1/500	1/2,000	
5	1/1,000	1/1,000	
6	1/2,000	1/500	
7	1/4,000	1/250	
8	1/8,000	1/125	
9	1/16,000	Ext. pulse width control	

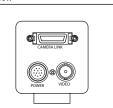




Bottom view



Rear view



Ordering Information

Power Supply/2m cable

Camera TM-4200CL (mono), TMC-4200CL (color) Lead Processing RM-4200CL (mono), RMC-4200CL (color) **RoHS Compliant Optional Functions** Internal IR Filter Added OP3-1 Optical Filter Removal OP3-2 (color only) Glassless CCD Imager OP21 OP21-UV (monochrome only) Ultraviolet Imager F mount OP65-6 M₄₂ mount OP65-7 M42 mount, 10mm back focus OP65-8 Optional Accessories (MUST BE ORDERED SEPARATELY) I/O 26CL-02-26 (2m) PD-12UUP (includes power connector) **Power Supply**

PD-12UU/12P-02S

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